

Amendments to the Claims:

Claims 1-23 are pending in this application. Please amend claims 1, 3, and 12 as follows:

- 1 1. (currently amended) A system for wirelessly activating an
2 appliance, the appliance associated with an appliance receiver for receiving a wireless
3 activation signal, the appliance responding to one of a plurality of transmission
4 schemes, the system comprising:
5 a receiver section separate from the appliance receiver, the receiver
6 section operative to receive a radio frequency activation signal;
7 a transmitter operative to transmit a radio frequency activation signal;
8 at least one user activation input, each activation input identifying a
9 wireless channel;
10 memory holding data describing a plurality of rolling code
11 transmission schemes associated with a rolling code mode and a plurality of fixed
12 code transmission schemes, at least one fixed code transmission scheme associated
13 with each of at least one fixed code mode; and
14 control logic in communication with the receiver section, the
15 transmitter, the at least one user activation input and the memory, for each channel
16 the control logic maintaining a channel mode set initially to a rolling code mode, the
17 channel mode changing to one of the at least one fixed code mode if the channel is
18 trained to a fixed code in response to receiving a signal transmitted from an existing
19 transmitter, the control logic in response to an assertion of the user activation input
20 associated with the channel generating and transmitting an activation signal based on
21 each transmission scheme associated with the mode maintained for the channel.
- 1 2. (original) The system of claim 1 wherein the at least one fixed
2 code mode is a single fixed code mode.

1 3. (original) The system of claim 1 wherein the at least one fixed
2 code mode is a plurality of fixed code modes.

1 4. (original) The system of claim 3 wherein each fixed code has a
2 code size and wherein the control logic determines the fixed code channel mode based
3 on the code size of the fixed code used to train the channel.

1 5. (currently amended) The system of claim 3 wherein the receiver
2 section is operative to identify a carrier frequency of a received signal and wherein
3 the control logic determines the fixed code mode based on the identified carrier
4 frequency.

1 6. (original) The system of claim 3 wherein the control logic
2 determines the channel mode as one of the fixed code modes through guess-and-test
3 user interaction.

1 7. (original) The system of claim 1 wherein the channel mode may
2 be reset to rolling code mode.

1 8. (original) The system of claim 1 further comprising a data port
2 operative to download data describing at least one scheme into the memory.

1 9. (original) The system of claim 1 wherein the control logic
2 generates and transmits activation signals based on a popularity of schemes, thereby
3 reducing an average activation latency time.

1 10. (original) The system of claim 1 wherein the memory holds data
2 representing a carrier frequency for each transmission scheme whereby a user does
3 not manually enter frequency information.

1 11. (original) The system of claim 1 wherein the memory holds a
2 different counter value for each of the plurality of rolling code transmission schemes.

1 12. (currently amended) A method for use in a wireless appliance
2 activation transceiver system having a transmitter section and a receiver section, the
3 method of controlling an appliance activated by a radio frequency activation signal
4 received by an appliance receiver and described by a transmission scheme, the
5 transmission scheme one of a plurality of possible transmission schemes including a
6 plurality of rolling code transmission schemes and a plurality of fixed code
7 transmission schemes, the method comprising:
8 establishing a mode as rolling mode in the transceiver system;
9 if a fixed code in a radio frequency activation signal received by the
10 receiver section from an existing transmitter is detected, storing the detected fixed
11 code and changing the mode to fixed mode;
12 receiving in the transceiver system an activation request from a user;
13 if the mode is rolling mode, generating in the transceiver system and
14 transmitting from the from the transmitter section to the appliance receiver a sequence
15 of activation signals, each activation signal based on one of the plurality of rolling
16 code transmission schemes; and
17 if the mode is fixed mode, generating in the transceiver system and
18 transmitting from the from the transmitter section to the appliance receiver at least
19 one activation signal, each of the at least one activation signal based on one of the
20 plurality of fixed code transmission schemes, each of the at least one activation signal
21 including the stored fixed code.

1 13. (original) The method of claim 12 wherein the at least one
2 transmitted fixed code activation signal is a plurality of fixed code activation signals.

1 14. (original) The method of claim 13 wherein each of the plurality
2 of fixed code transmission schemes is used to generate at least one of the plurality of
3 fixed code activation signals.

1 15. (original) The method of claim 13 wherein each of a subset of the
2 plurality of fixed code transmission schemes is used to generate at least one of the
3 plurality of fixed code activation signals.

1 16. (original) The method of claim 15 wherein membership in the
2 subset is based on a size of the stored fixed code.

1 17. (original) The method of claim 15 wherein membership in the
2 subset is based on a carrier frequency of the radio frequency activation signal
3 received from the existing transmitter.

1 18. (original) The method of claim 15 wherein the subset is
2 determined from a plurality of subsets by user guess-and-test interaction.

1 19. (original) The method of claim 12 wherein the at least one
2 transmitted fixed code activation signal is one fixed code activation signal.

1 20. (original) The method of claim 12 further comprising resetting
2 the mode to rolling mode based on user input.

1 21. (original) The method of claim 12 further comprising learning at
2 least one transmission scheme through a data port.

1 22. (original) The method of claim 12 wherein an order in the
2 sequence of activation signals is established based on the popularity of each of the
3 rolling code transmission schemes.

- 1 23. (original) The method of claim 12 wherein each rolling code
- 2 transmission scheme includes a separate counter value, each counter value used to
- 3 generate a rolling code value.